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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,068	08/20/2003	Hisashi Nakamura	031016	4352

38834 7590 10/16/2007
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WASHINGTON, DC 20036

EXAMINER

XIAO, KE

ART UNIT	PAPER NUMBER
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2629

MAIL DATE	DELIVERY MODE
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10/16/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/644,068

Applicant(s)

NAKAMURA ET AL.

Examiner

Ke Xiao

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mizoguchi (US 5,841,466) in view of Ito (US 2001/0021979).

Regarding **Claims 1 and 2**, Mizoguchi teaches a liquid crystal projector (Mizoguchi, Figs. 2 and 3, elements 8 and 22) comprising:

an operation unit for operating a liquid crystal projector, the operation means including means for entering a command to control the liquid crystal projector via key entry (Mizoguchi, Mizoguchi, Fig. 2 element 14, Fig. 4 elements 30-32);

a circuit for previously registering a password (Mizoguchi, Fig. 4 element 30, Col. 2 line 63 - Col. 3 line 13);

a circuit for onscreen displaying, in a case where the pass word is registered, a password entry screen when the power to the liquid crystal projector is turned on (Mizoguchi, Figs. 2 and 4 element 3, 5 and 14, Col. 3 lines 13-65);

a circuit for comparing a password entered on the password entry screen with the register password and making it possible to operate the liquid crystal projector by

Art Unit: 2629

the operation unit only when both the passwords coincide with each other (Mizoguchi, Figs. 1 and 4 element 30, Col. 3 lines 13-65); and

a power off operation of the liquid crystal projector wherein the operation of the power key provided in the operation means is never nullified or inhibited (Mizoguchi, Figs. 2 and 4 element 12, the power key is separate from the actual control device it's a hardwire switch which provides power to the entire device thereby it is not nullified by the password system).

Mizoguchi fails to teach a determining circuit to determine a number of times an erroneous password is entered as claimed. Ito teaches determining a number of times an erroneous password is entered and to inhibit operation of a device in response to determining that the number of times an erroneous password is entered exceeds a predetermined number of times (Ito, Pg. 9 paragraph [0153]). It would have been obvious to one of ordinary skill in the art at the time of the invention to add an additional circuit to determine a number of times an erroneous password is entered and to inhibit operation of the display of Mizoguchi in response to determining that the number of times an erroneous password is entered exceeds a predetermined number of times as taught by Ito in order to prevent an unauthorized user from guessing at the password repeatedly. It is inherent that in order to inhibit the operation of the display of Mizoguchi the operation of keys of the operation means must be nullified either to prevent the entry of the password or to prevent operation of the actual display.

Regarding **Claims 3 and 4**, Mizoguchi teaches a liquid crystal projector system for regulating use of a liquid crystal projector (Mizoguchi, Fig. 2 element 5), comprising:

an external computer for operating the liquid crystal projector, the external computer being connected to the liquid crystal projector by radio or wire and including liquid crystal projector controlling software for controlling the liquid crystal projector (Mizoguchi, Fig. 3 element 8 and 22);

the liquid crystal projector comprising:

an operation unit for operating the liquid crystal projector, the operation means including means for entering a command to control the liquid crystal project via key entry (Mizoguchi, Fig. 2 element 14, Fig. 4 elements 30-32);

a circuit for registering a password in the liquid crystal projector (Mizoguchi, Fig. 4 element 30);

a determining unit to determining whether a password is registered in the liquid crystal projector in response to a power supply of the liquid crystal projector being turned on (Mizoguchi, Fig. 1 element S3, Fig. 4 element 30);

a circuit for onscreen displaying a password entry screen, for inhibiting operation of the liquid crystal projector by the operation means, as well as for waiting until a password is received from the external computer in response to detecting that the password is registered in the liquid crystal projector (Mizoguchi, Fig. 1 S14-S17, Fig. 4 elements 3, 5 and 30);

a circuit for comparing, in response to receiving the password from the external computer, the received password with the registered password and for allowing operating of the liquid crystal projector by the external computer in response to the means for comparing indicating that both the registered password and the password received from the external computer coincide with each other (Mizoguchi, Fig. 1 S14-S17, Fig. 4 elements 3, 5 and 30); and

a power off operation of the liquid crystal projector wherein the operation of the power key provided in the operation means is never nullified or inhibited (Mizoguchi, Figs. 2 and 4 element 12, the power key is separate from the actual control device it's a hardwire switch which provides power to the entire device thereby it is not nullified by the password system).

Mizoguchi fails to teach a determining circuit to determine a number of times an erroneous password is entered as claimed. Ito teaches determining a number of times an erroneous password is entered and to inhibit operation of a device in response to determining that the number of times an erroneous password is entered exceeds a predetermined number of times (Ito, Pg. 9 paragraph [0153]). It would have been obvious to one of ordinary skill in the art at the time of the invention to add an additional circuit to determine a number of times an erroneous password is entered and to inhibit operation of the display of Mizoguchi by nullifying a key operation in response to determining that the number of times an erroneous password is entered exceeds a predetermined number of times as taught by Ito in order to prevent an unauthorized

user from guessing at the password repeatedly. It is inherent that in order to inhibit the operation of the display of Mizoguchi the operation of keys of the operation means must be nullified either to prevent the entry of the password or to prevent operation of the actual display.

Response to Arguments

Applicant's arguments filed August 2nd, 2007 have been fully considered but they are not persuasive. The applicant argues that Mizoguchi fails to teach nullifying the operations of keys of the operation means. The examiner respectfully disagrees, Mizoguchi clearly teaches nullifying said operation of the keys. The applicant fails to specifically define nullify, so the examiner has interpreted the limitation broadly to mean that when the password does not coincide with a registered password there is no effect on the operation of the display.

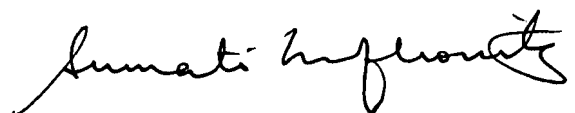
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ke Xiao whose telephone number is (571) 272-7776. The examiner can normally be reached on Monday through Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz can be reached on (571) 272-3638. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

October 1st, 2007 - kx -



**SUMATI LEFKOWITZ
SUPERVISORY PATENT EXAMINER**